



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H111203

Mode: Highway

Status: Submitted

(Hemlock Drive Extension)

From/Cross Street: SR 1406 (Piney Green Road)

Specific Improvement Type: 5 - Construct Roadway on New Location

To: Waters Road

Project Category: Division Needs

Length: 1.18

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$21,080,000

Description:

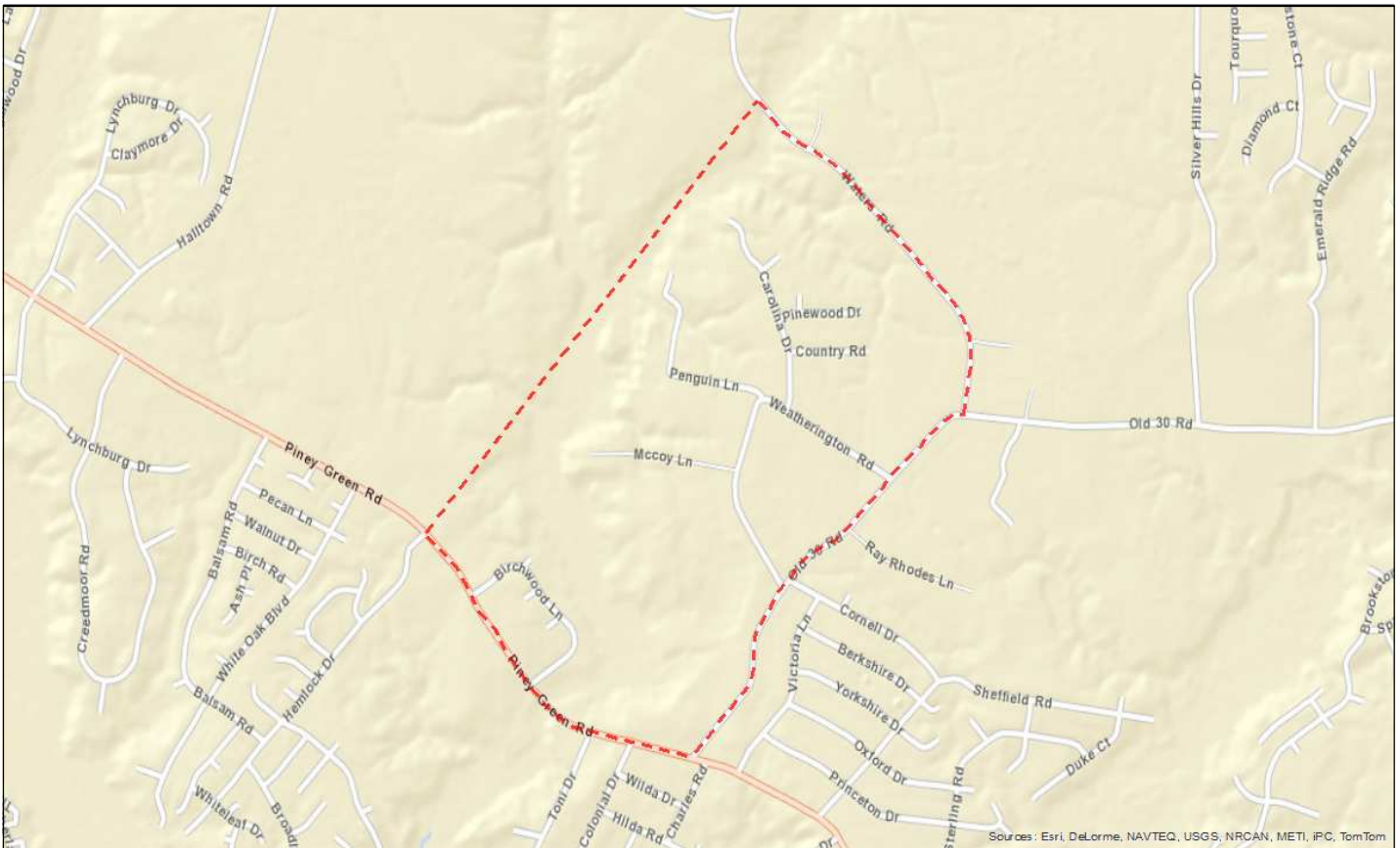
Extend Hemlock Drive As a Four-Lane Divided Facility

Division(s): Division 3

County(s): ONSLOW

MPOS(s)/RPO(s): Jacksonville Urban MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points:	Percent: 15% Points:

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 49.23 Safety (20%) 57.58 Multimodal + [Freight & Military] (10%) 0.00 Totals: Weight: 50% Weighted Score: 21.36	Percent: 25% Points:	Percent: 25% Points:

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	48
Length (miles):	2.6
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Level
Lane Width:	11
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	11714.01
Capacity:	15779.22
Volume/Capacity Ratio:	0.74
% Autos:	100%
% Trucks:	0%
Truck Volume:	0
Crash Density:	80.97
Crash Severity:	47.4
Critical Crash Rate:	44.39
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	84
Actual Congested Speed:	0
Travel Time Index:	0

Project Benefits

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	45
Length (miles):	1.18
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Major Collector
Terrain Type:	Level
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	5328455.5
Travel Time Savings for 30 Years (Autos):	5328455.5
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 3

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT OnLine tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 3	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
Jacksonville Urban MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$9,120,000	TIP Unit
Right-of-Way Cost:	\$10,679,000	Cost Estimation Tool
Utilities Cost:	\$1,281,000	Cost Estimation Tool
Total Project Cost:	\$21,080,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$21,080,000	